

Appl. No.: 10/809,053

Amdt. Dated August 3, 2005

Response to Office Action Mailed May 4, 2005

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this application.

1. (Currently Amended) A light control element equipped with a base plate that has an electrooptic effect, an optical guide and an electrode for modulation formed on said base plate, which has ridge structure, wherein:

an anti-DC drift layer is installed formed on a surface of the base plate, where the optical guide is formed, by doping anti-drift materials from said base plate

; and

annealing treatment is performed after ridge processing.

2. (Currently Amended) A light control element as claimed in claim 1, wherein:
~~said anti-DC drift layer is formed by doping anti-drift materials from said base plate~~
annealing treatment is performed after ridge processing.

3. (Currently Amended) A light control element as claimed in claim 2, claim 1, wherein:

said anti-drift materials consist of MgO or ZnO.

4. (Currently Amended) A light control element as claimed in claim 2, claim 3, wherein:

said anti-drift materials consist of MgO or ZnO; and

a dope amount of said anti-drift materials accounts for 0.5~7 mole % of said base plate.

5. (Previously Presented) A light control element as claimed in claim 1, wherein:
thickness of said anti-DC drift layer is more than $0.5\mu\text{m}$ from the surface toward inside of
the base plate.

6. (Previously Presented) A light control element as claimed in claim 2, wherein:
thickness of said anti-DC drift layer is more than $0.5\mu\text{m}$ from the surface toward inside of
the base plate.

7. (Previously Presented) A light control element as claimed in claim 3, wherein:
thickness of said anti-DC drift layer is more than $0.5\mu\text{m}$ from the surface toward inside of
the base plate.

8. (Previously Presented) A light control element as claimed in claim 4, wherein:
thickness of said anti-DC drift layer is more than $0.5\mu\text{m}$ from the surface toward inside of
the base plate.